

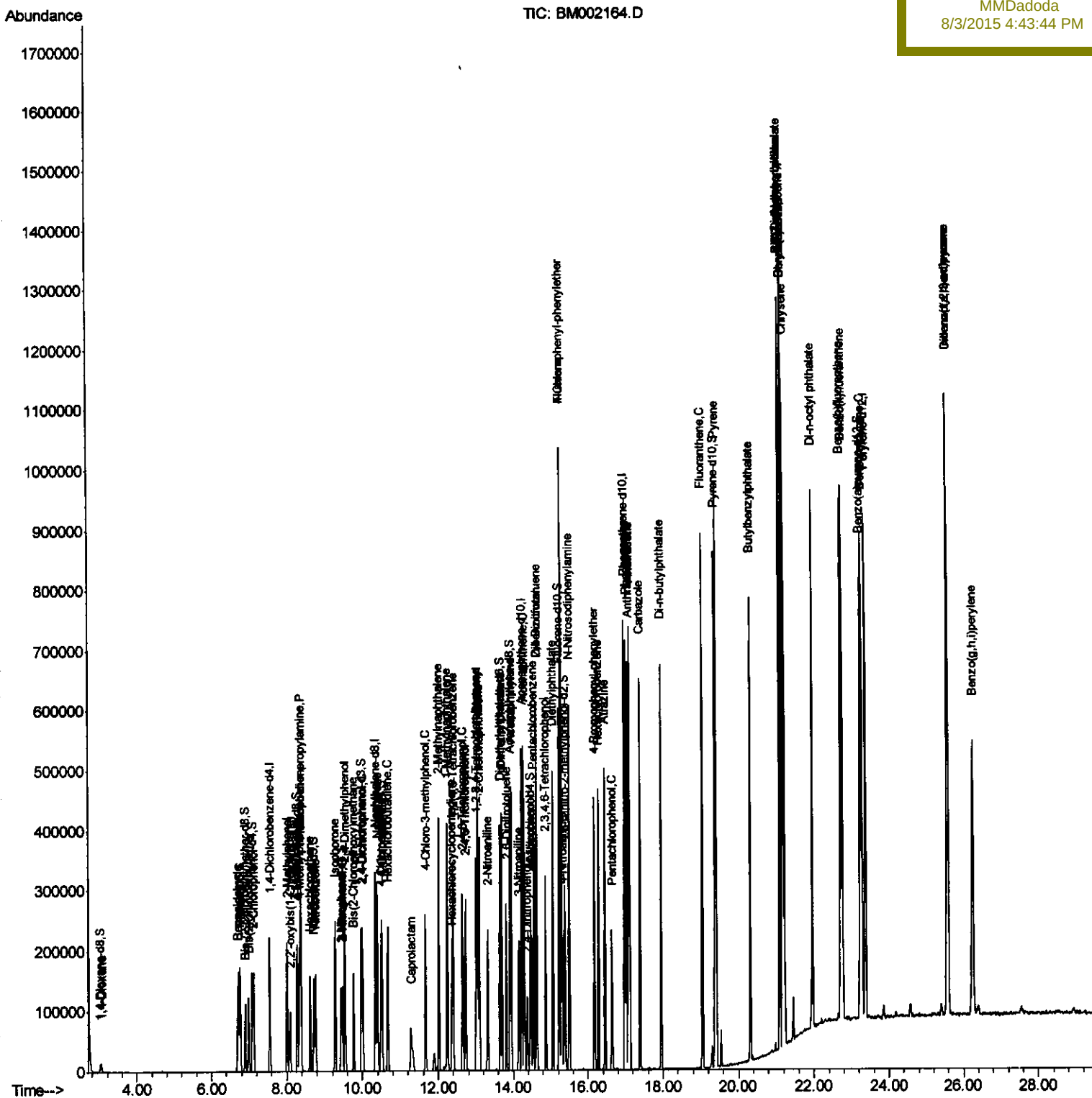
```
Data Path : Z:\HPCHEM1\BNA_M\Data\BM080215\  
Data File : BM002164.D  
Acq On    : 02 Aug 2015  11:01  
Operator  : TP  
Sample    : SSTDCCC020  
Misc      :  
ALS Vial  : 2      Sample Multiplier: 1
```

Quant Time: Aug 03 01:30:00 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 01:09:02 2015
Response via : Initial Calibration

Instrument :
BNA_M
LabSampleId :
SSTD02091

Manual Integrations APPROVED

MMDadoda
8/3/2015 4:43:44 PM



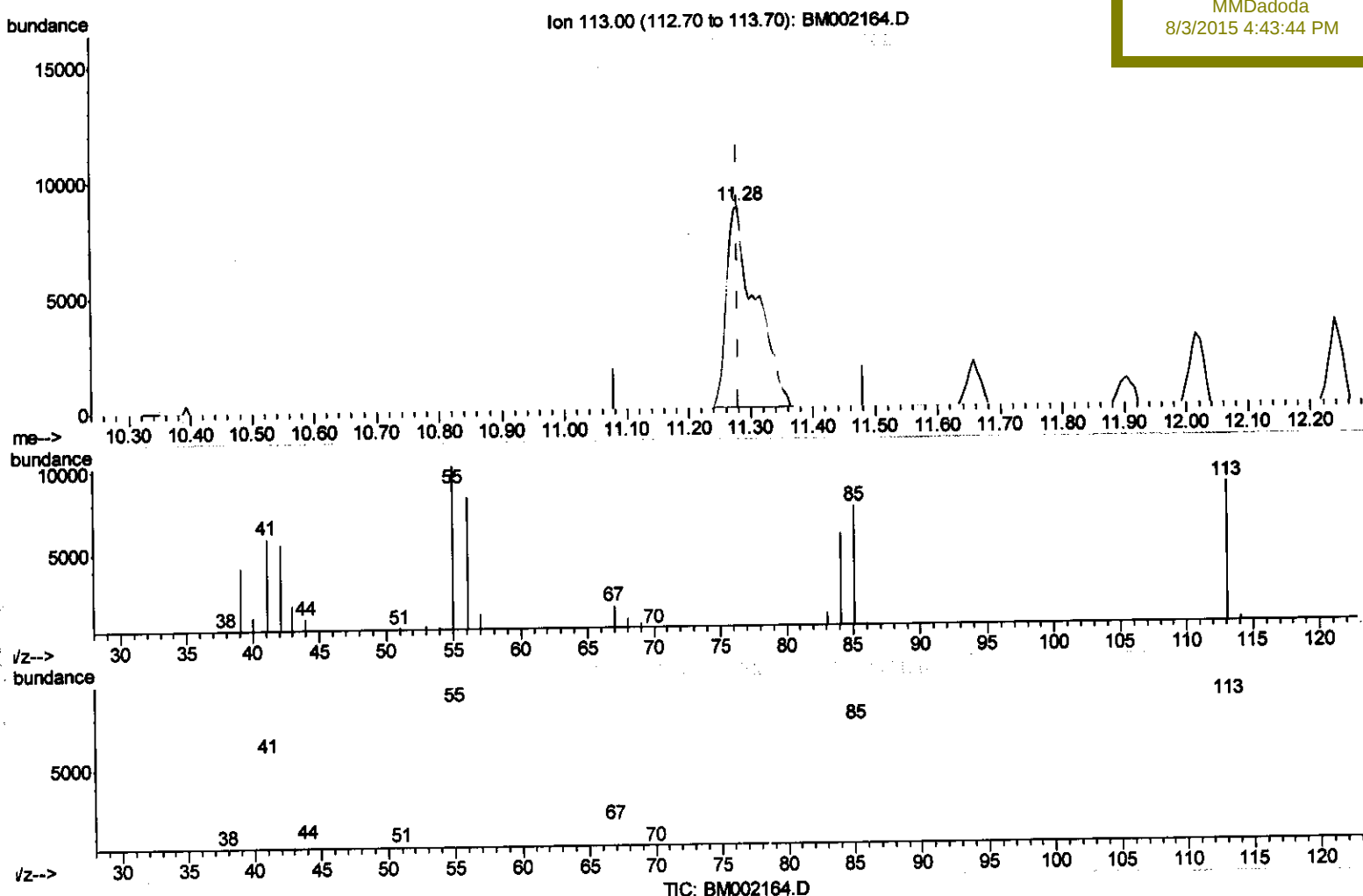
Data Path : Z:\HPCHEM1\BNA_M\Data\BM080215\
 Data File : BM002164.D
 Acq On : 02 Aug 2015 11:01
 Operator : TP
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTD02091

Manual Integrations
 APPROVED

MMDadoda
 8/3/2015 4:43:44 PM

Quant Time: Aug 03 01:28:19 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 01:09:02 2015
 Response via : Initial Calibration



(32) Caprolactam

11.281min (0.000) 24.59ng/ul m

response 28485

Ion	Exp%	Act%
113.00	100	100
55.00	126.30	116.48
56.00	98.80	94.96
0.00	0.00	0.00

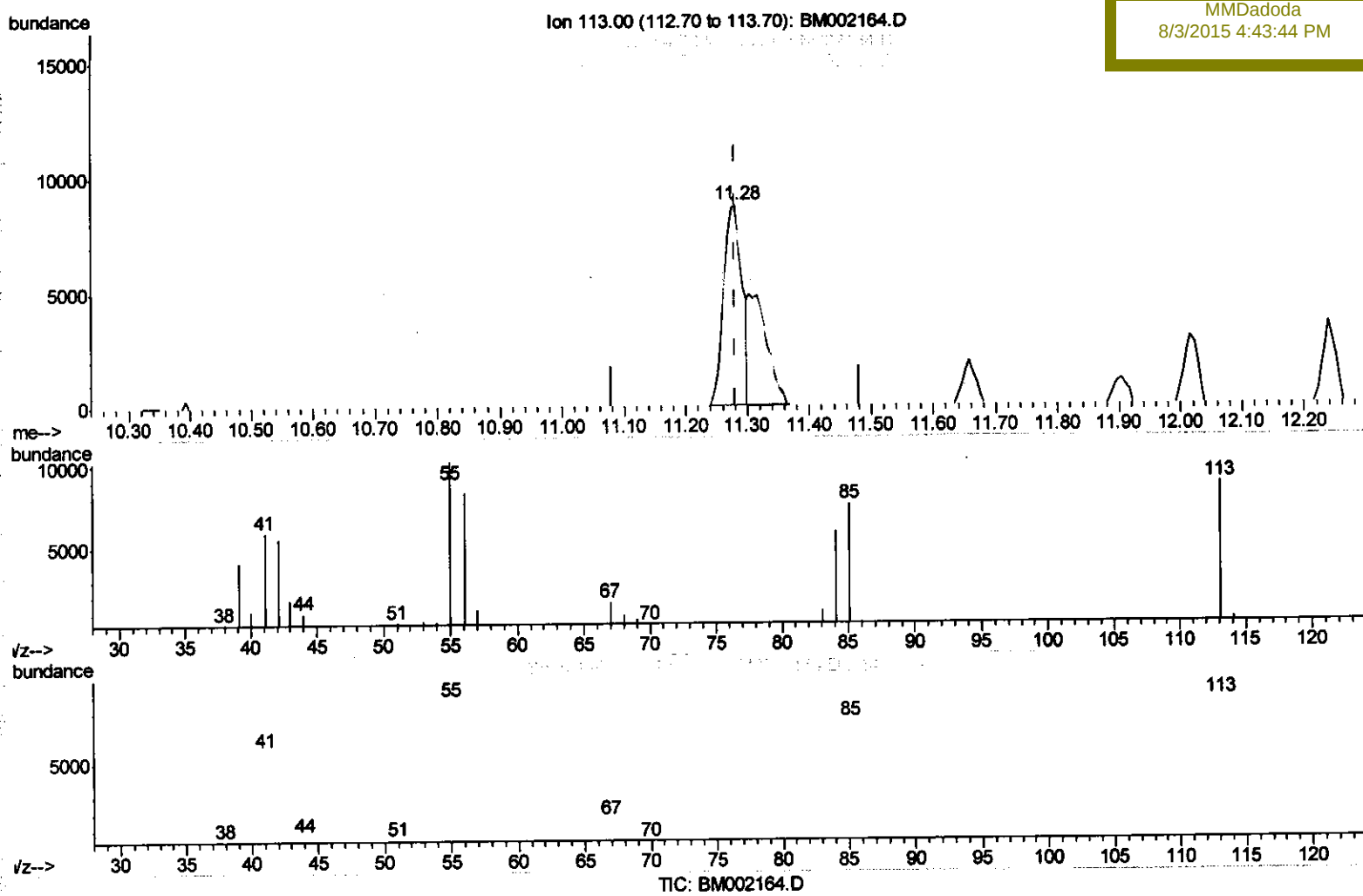
T. P
 08/03/15

Data Path : Z:\HPCHEM1\BNA_M\Data\BM080215\
 Data File : BM002164.D
 Acq On : 02 Aug 2015 11:01
 Operator : TP
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 03 01:28:19 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 01:09:02 2015
 Response via : Initial Calibration

Instrument :
 BNA_M
 LabSampleId :
 SSTD02091

Manual Integrations
 APPROVED
 MMDadoda
 8/3/2015 4:43:44 PM



(32) Caprolactam

11.281min (0.000) 15.67ng/ul

response 18152

Ion	Exp%	Act%
113.00	100	100
55.00	126.30	116.48
56.00	98.80	94.96
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM080215\
 Data File : BM002164.D
 Acq On : 02 Aug 2015 11:01
 Operator : TP
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 03 01:30:00 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 01:09:02 2015
 Response via : Initial Calibration

Instrument :
 BNA_M
 LabSampleId :
 SSTD02091

Manual Integrations
 APPROVED

MMDadoda
 8/3/2015 4:43:44 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.24	142	189918	20.36	ng/ul	99
37) 1,2,4,5-Tetrachlorobenzene	12.39	216	113949	17.40	ng/ul	99
38) Hexachlorocyclopentadiene	12.36	237	45931	12.31	ng/ul	97
39) 2,4,6-Trichlorophenol	12.65	196	73554	19.14	ng/ul	99
40) 2,4,5-Trichlorophenol	12.72	196	80703	19.43	ng/ul	99
41) 1,1'-Biphenyl	13.05	154	260833	17.98	ng/ul	98
42) 2-Chloronaphthalene	13.09	162	203370	18.03	ng/ul	98
43) 2-Nitroaniline	13.31	65	57033	20.29	ng/ul	96
45) Dimethylphthalate	13.69	163	269663	19.59	ng/ul	99
46) 2,6-Dinitrotoluene	13.82	165	57464	20.52	ng/ul	96
48) Acenaphthylene	13.95	152	335704	18.87	ng/ul	99
49) 3-Nitroaniline	14.15	138	54789	21.98	ng/ul	94
50) Acenaphthene	14.29	153	218564	18.74	ng/ul	99
51) 2,4-Dinitrophenol	14.37	184	30959	18.78	ng/ul	93
53) 4-Nitrophenol	14.47	109	37938	19.79	ng/ul	97
54) Dibenzofuran	14.63	168	321195	19.20	ng/ul	98
55) 2,4-Dinitrotoluene	14.62	165	84923	21.10	ng/ul	91
56) 2,3,4,6-Tetrachlorophenol	14.86	232	69402	19.88	ng/ul	99
57) Diethylphthalate	15.06	149	270484	19.92	ng/ul	99
59) Fluorene	15.28	166	273770	19.80	ng/ul	99
60) 4-Chlorophenyl-phenylether	15.27	204	142067	19.21	ng/ul	95
61) 4-Nitroaniline	15.32	138	58085	21.86	ng/ul	95
64) 4,6-Dinitro-2-methylphenol	15.38	198	54172	18.54	ng/ul#	92
65) N-Nitrosodiphenylamine	15.49	169	238937	18.36	ng/ul	99
66) 4-Bromophenyl-phenylether	16.17	248	89420	18.47	ng/ul	97
67) Hexachlorobenzene	16.29	284	97321	18.37	ng/ul	99
68) Atrazine	16.45	200	95640	19.05	ng/ul	98
69) Pentachlorophenol	16.63	266	44152	16.24	ng/ul	99
70) Phenanthrene	17.02	178	445129	18.88	ng/ul	99
72) Anthracene	17.11	178	455120	18.88	ng/ul	99
73) 1,2,3,4-Tetrachlorobenzene	13.01	216	113628	16.45	ng/uL	98
74) Pentachlorobenzene	14.55	250	111853	17.35	ng/uL	100
75) Carbazole	17.39	167	401625	19.51	ng/ul	99
76) Di-n-butylphthalate	17.94	149	471035	19.19	ng/ul	99
77) Fluoranthene	19.04	202	542728	19.93	ng/ul	99
80) Pyrene	19.41	202	572624	18.37	ng/ul	100
81) Butylbenzylphthalate	20.32	149	224697	18.88	ng/ul	100
82) 3,3'-Dichlorobenzidine	21.10	252	191373	18.87	ng/ul	99
83) Benzo(a)anthracene	21.17	228	601556	18.95	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.09	149	335260	18.40	ng/ul	98
85) Chrysene	21.22	228	556863	18.75	ng/ul	99
87) Di-n-octyl phthalate	21.96	149	585872	17.45	ng/ul	100
88) Benzo(b)fluoranthene	22.72	252	598320	18.21	ng/ul	99
89) Benzo(k)fluoranthene	22.76	252	581752	18.35	ng/ul	99
91) Benzo(a)pyrene	23.27	252	590775	18.62	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.57	276	690960	18.90	ng/ul	99
93) Dibenzo(a,h)anthracene	25.57	278	587530	18.78	ng/ul	98
94) Benzo(g,h,i)perylene	26.24	276	580810	18.95	ng/ul	98

Data Path : Z:\HPCHEM1\BNA_M\Data\BM080215\
Data File : BM002164.D
Acq On : 02 Aug 2015 11:01
Operator : TP
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 03 01:30:00 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 01:09:02 2015
Response via : Initial Calibration

Instrument :
BNA_M
LabSampleId :
SSTD02091

Manual Integrations
APPROVED

MMDadoda
8/3/2015 4:43:44 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	61880	20.00	ng/ul	0.00
18) Naphthalene-d8	10.34	136	280608	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.22	164	188256	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.98	188	455224	20.00	ng/ul	0.00
78) Chrysene-d12	21.18	240	572783	20.00	ng/ul	0.00
86) Perylene-d12	23.37	264	584869	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.00	96	7928	6.63	ng/uL	0.00
5) Phenol-d5	6.74	99	89760	20.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.89	67	46458	18.99	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	73572	19.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	78529	22.33	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	37612	18.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	44245	19.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	86920	20.36	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	107617	22.94	ng/ul	0.00
44) Dimethylphthalate-d6	13.64	166	272361	19.75	ng/ul	0.00
47) Acenaphthylene-d8	13.92	160	327520	19.00	ng/ul	0.00
52) 4-Nitrophenol-d4	14.46	143	44444	19.31	ng/ul	0.00
58) Fluorene-d10	15.22	176	238257	19.64	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.37	200	51886	18.63	ng/ul	0.00
71) Anthracene-d10	17.07	188	382327	18.82	ng/ul	0.00
79) Pyrene-d10	19.38	212	444961	18.45	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.23	264	531208	18.74	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.05	88	8350	6.54	ng/uL	97
4) Benzaldehyde	6.70	77	49407	21.04	ng/ul	94
6) Phenol	6.76	94	92452	20.44	ng/ul	99
8) Bis(2-Chloroethyl)ether	6.99	93	66837	19.65	ng/ul	97
10) 2-Chlorophenol	7.12	128	73600	19.58	ng/ul	96
11) 2-Methylphenol	8.01	108	73590	21.48	ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	8.09	45	65431	18.78	ng/ul	97
14) Acetophenone	8.38	105	124413	22.34	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.36	70	60581	22.45	ng/ul	97
16) 4-Methylphenol	8.34	108	82754	22.49	ng/ul	97
17) Hexachloroethane	8.62	117	27994	18.21	ng/ul	95
20) Nitrobenzene	8.76	77	85749	18.32	ng/ul	96
21) Isophorone	9.27	82	172534	20.67	ng/ul	98
23) 2-Nitrophenol	9.47	139	46853	19.35	ng/ul	96
24) 2,4-Dimethylphenol	9.53	107	94226	19.82	ng/ul	98
25) Bis(2-Chloroethoxy)methane	9.76	93	96222	18.93	ng/ul	99
27) 2,4-Dichlorophenol	10.00	162	83741	20.24	ng/ul	97
28) Naphthalene	10.39	128	249225	18.70	ng/ul	98
30) 4-Chloroaniline	10.52	127	111385	22.82	ng/ul	99
31) Hexachlorobutadiene	10.67	225	54701	17.68	ng/ul	98
32) Caprolactam	11.28	113	28485m	24.59	ng/ul	99
33) 4-Chloro-3-methylphenol	11.66	107	91036	22.16	ng/ul	99
34) 2-Methylnaphthalene	12.02	142	197823	20.39	ng/ul	99

MO2.2-EPA-BM072715.M Mon Aug 03 01:31:08 2015

J.T.P.
8/3/15
Page: 1

Data Path : Z:\HPCHEM1\BNA_M\Data\BM080215\
Data File : BM002164.D
Acq On : 02 Aug 2015 11:01
Operator : TP
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 03 01:30:00 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 01:09:02 2015
Response via : Initial Calibration

Instrument :
BNA_M
LabSampleId :
SSTD02091

Manual Integrations
APPROVED

MMDadoda
8/3/2015 4:43:44 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed